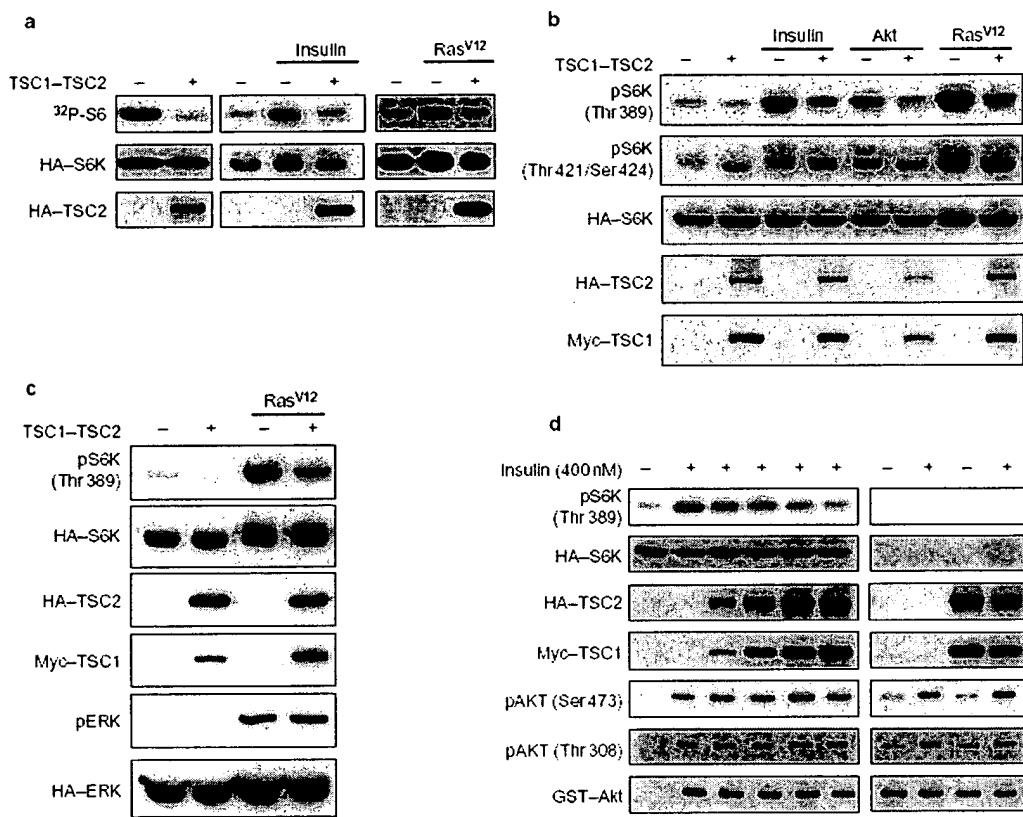
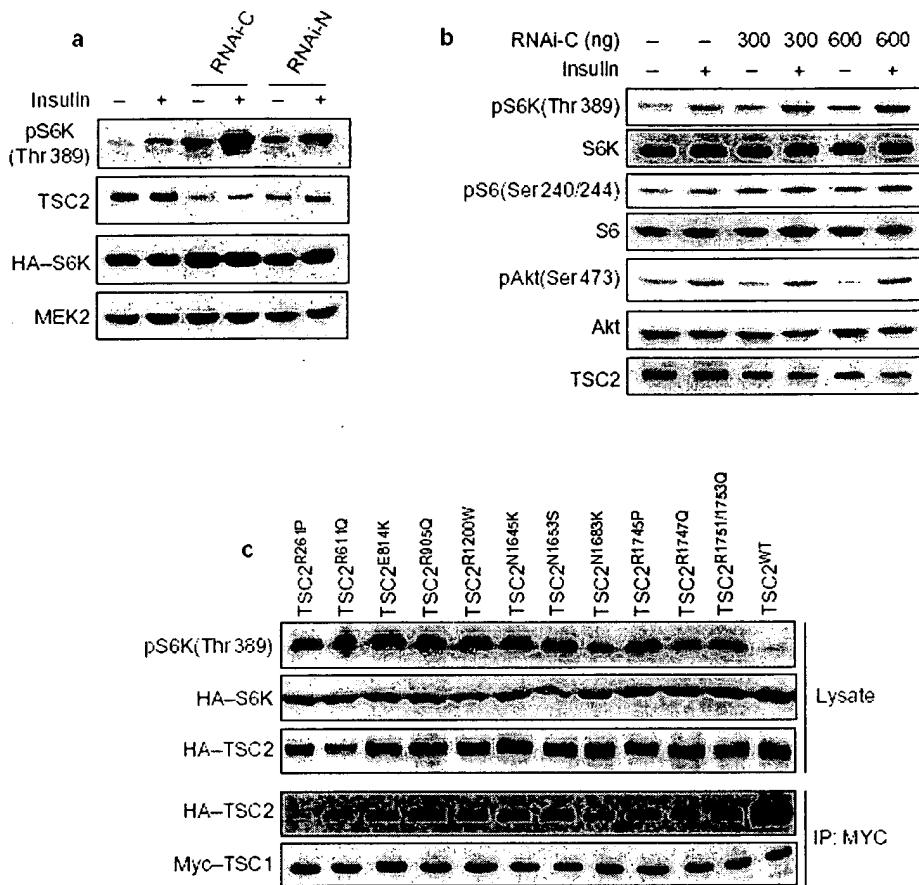


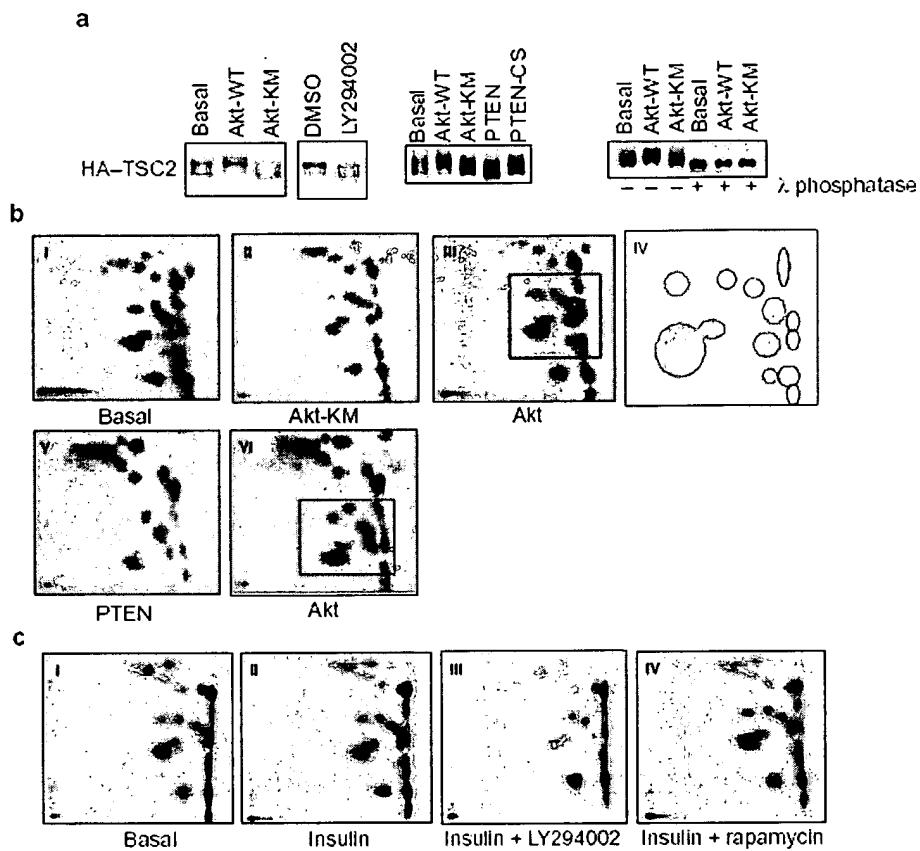
# Figure 1



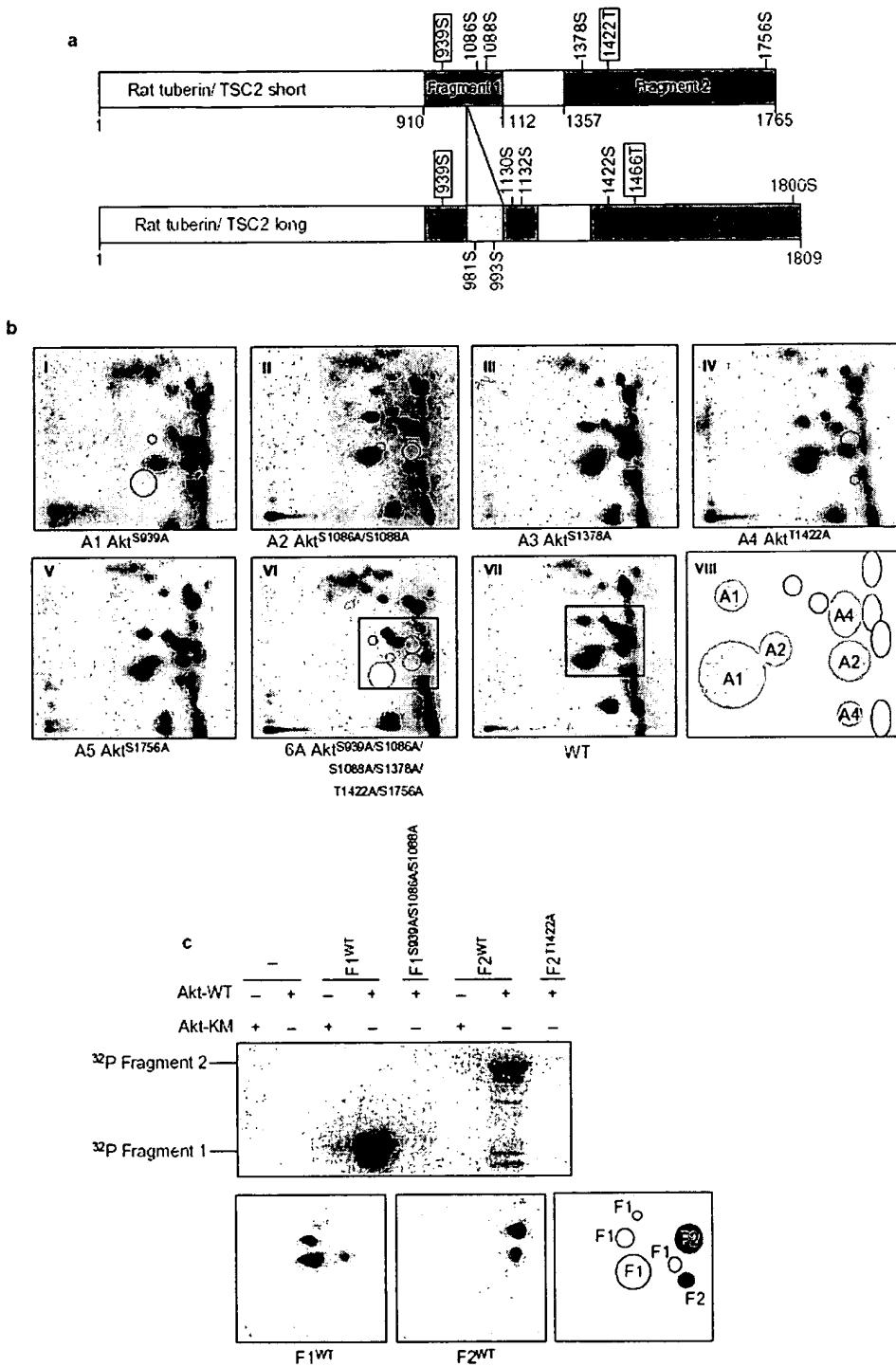
**Figure 2**



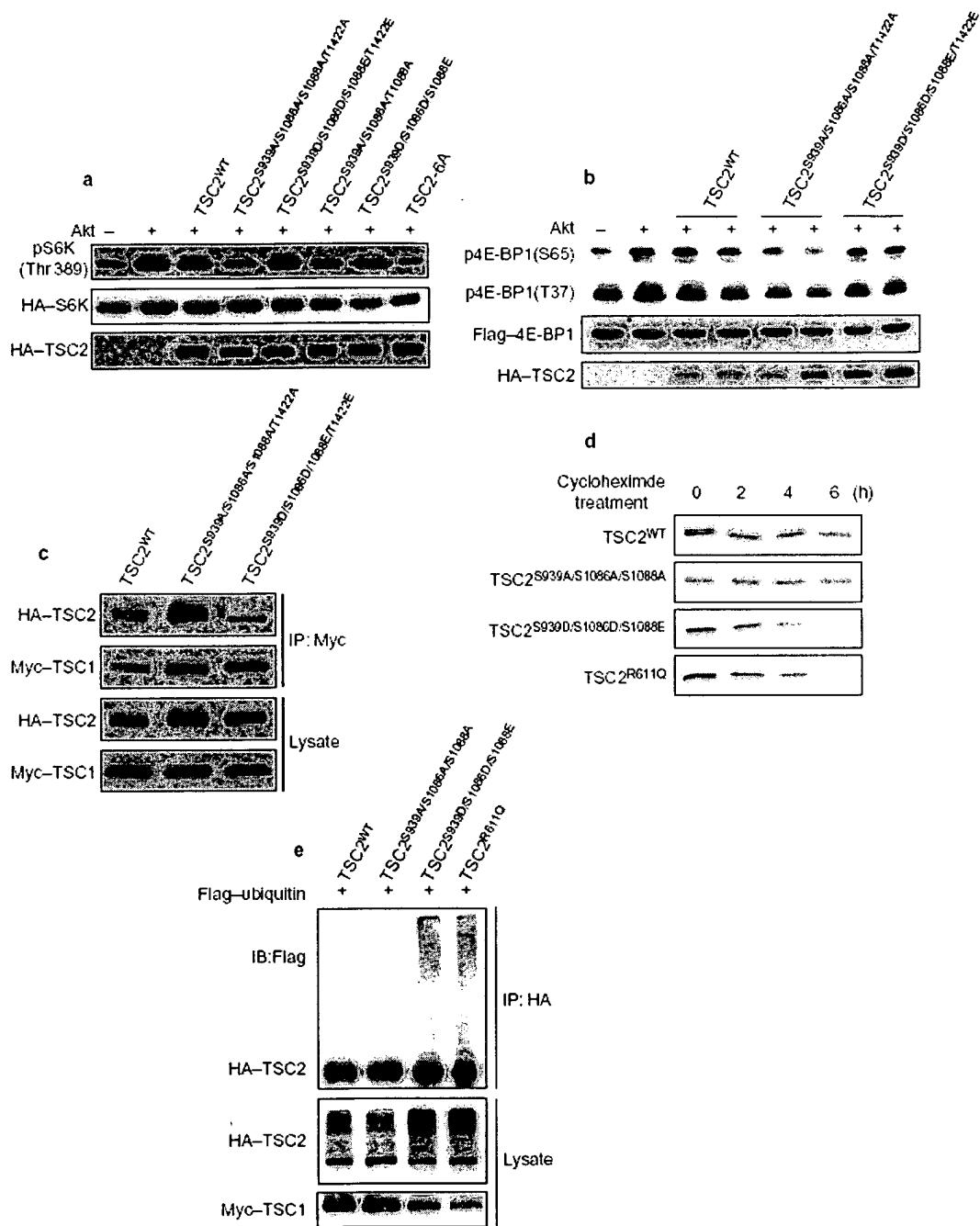
### Figure 3



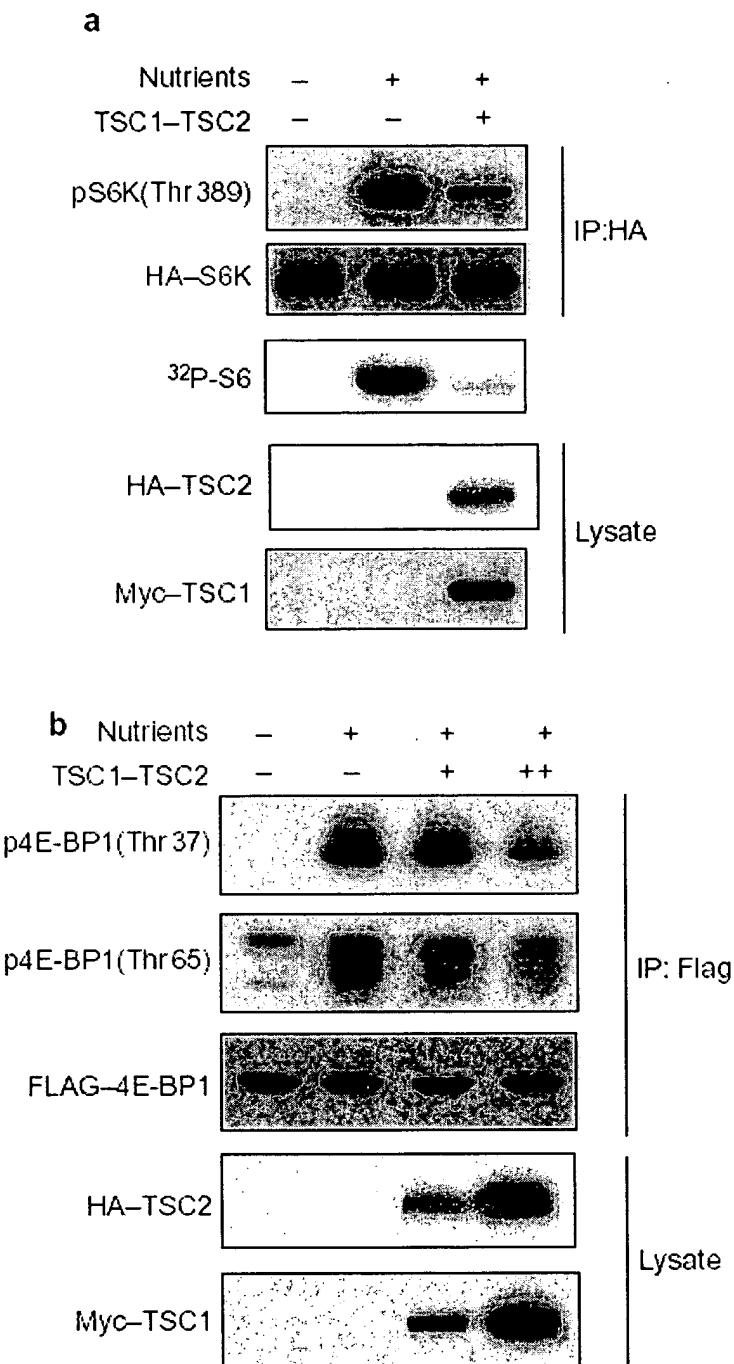
**Figure 4**



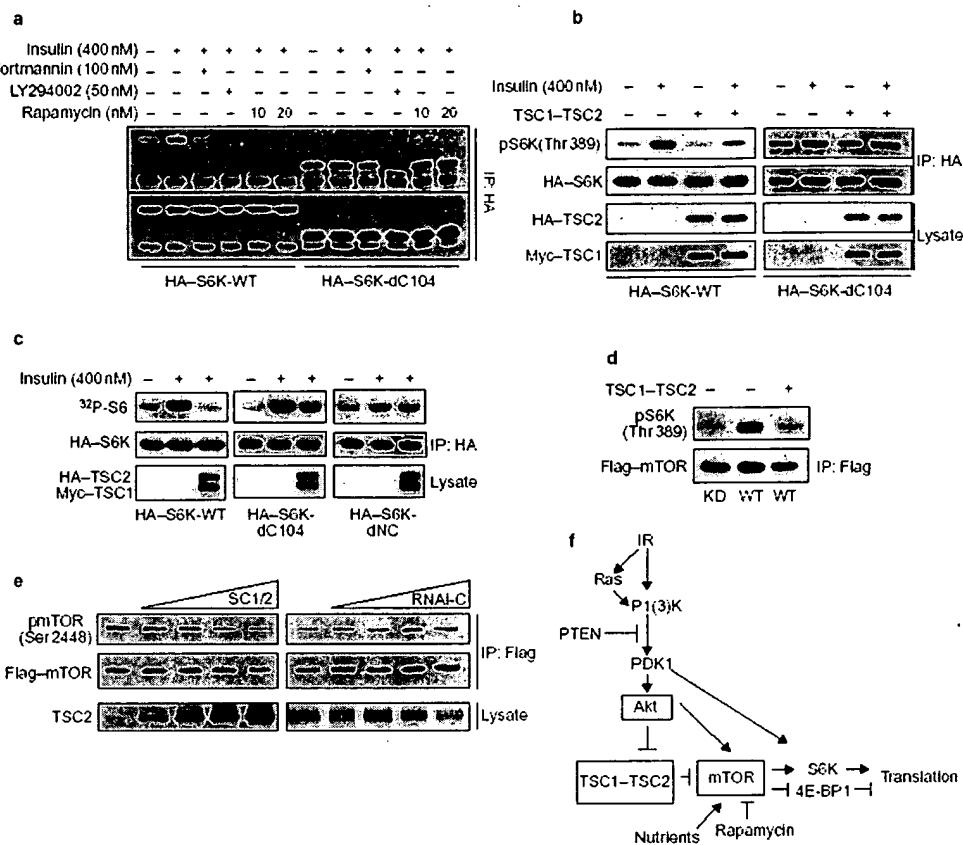
**Figure 5**



## Figure 6



# Figure 7



**Figure 8**

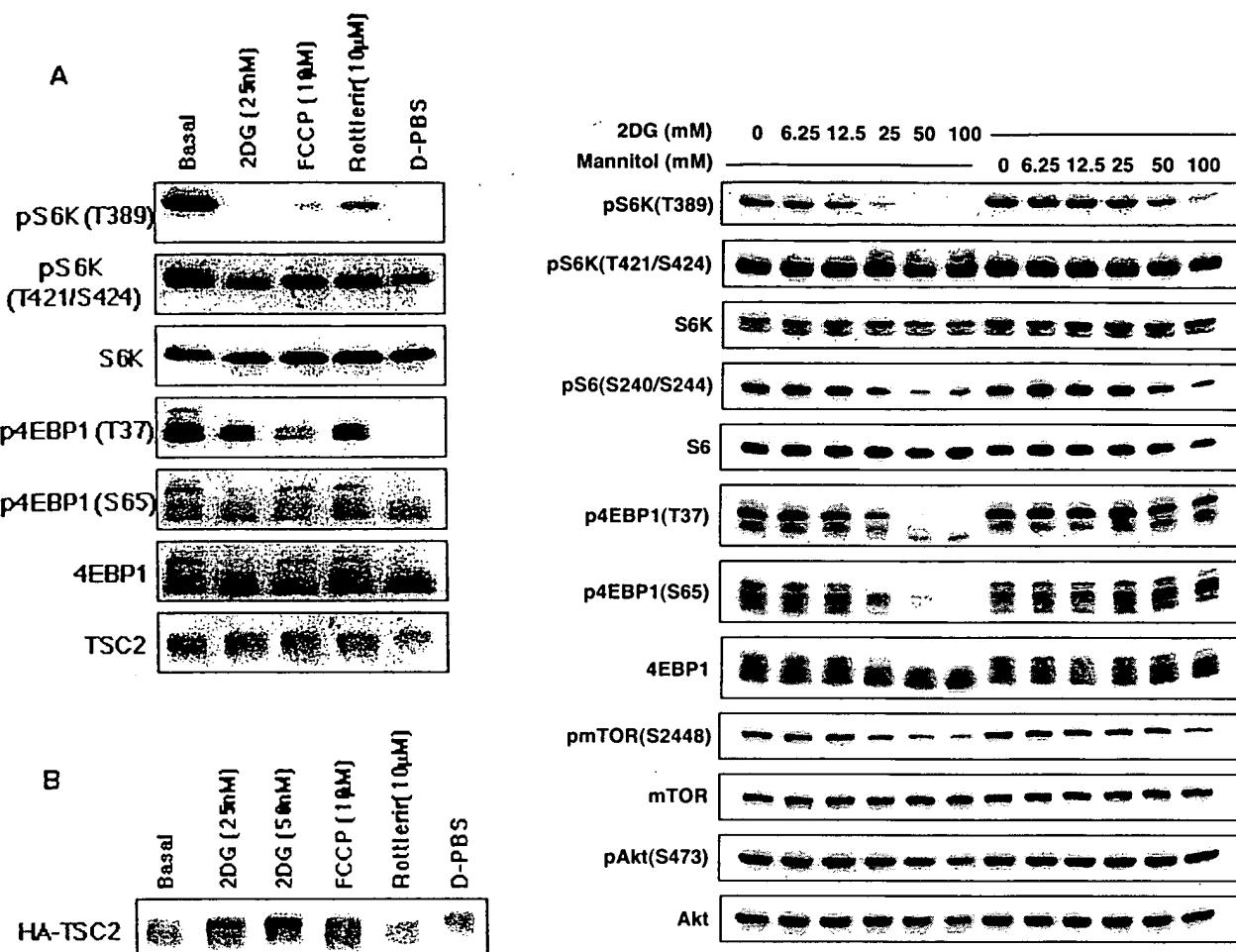
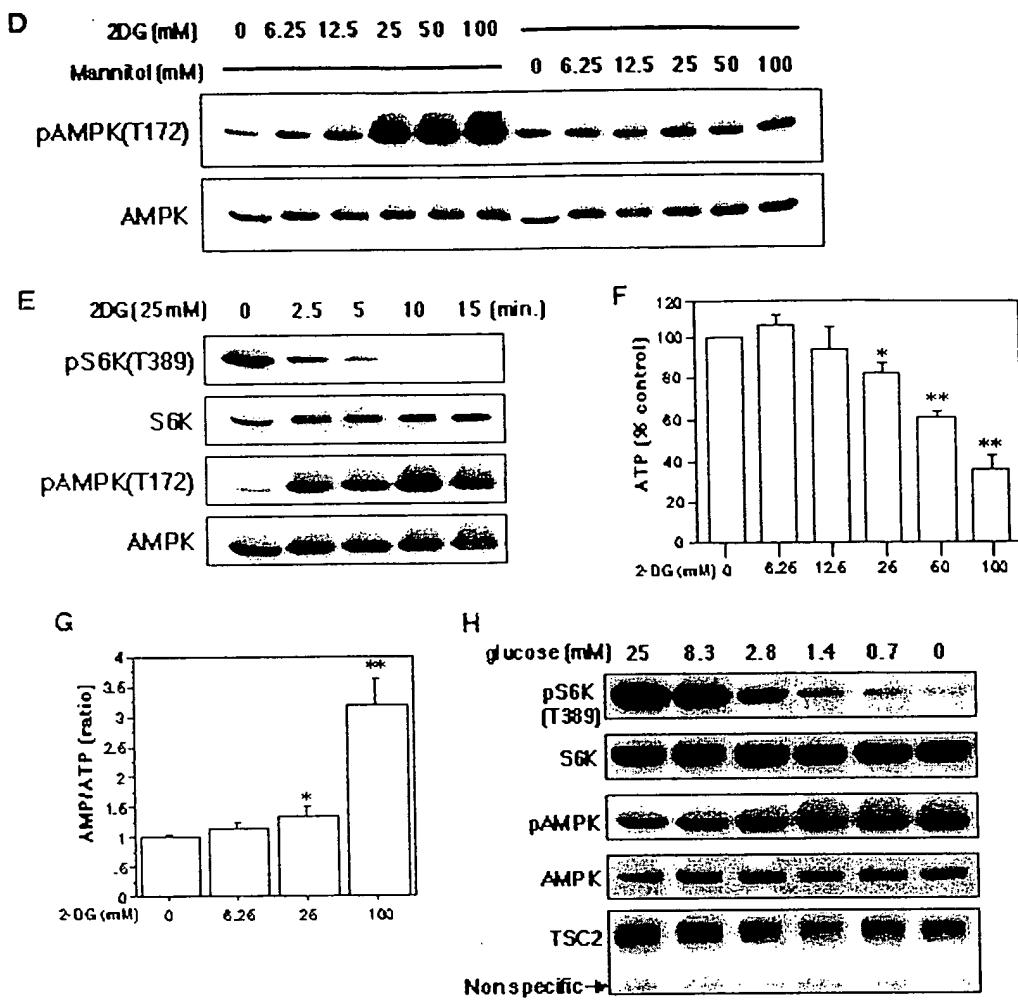
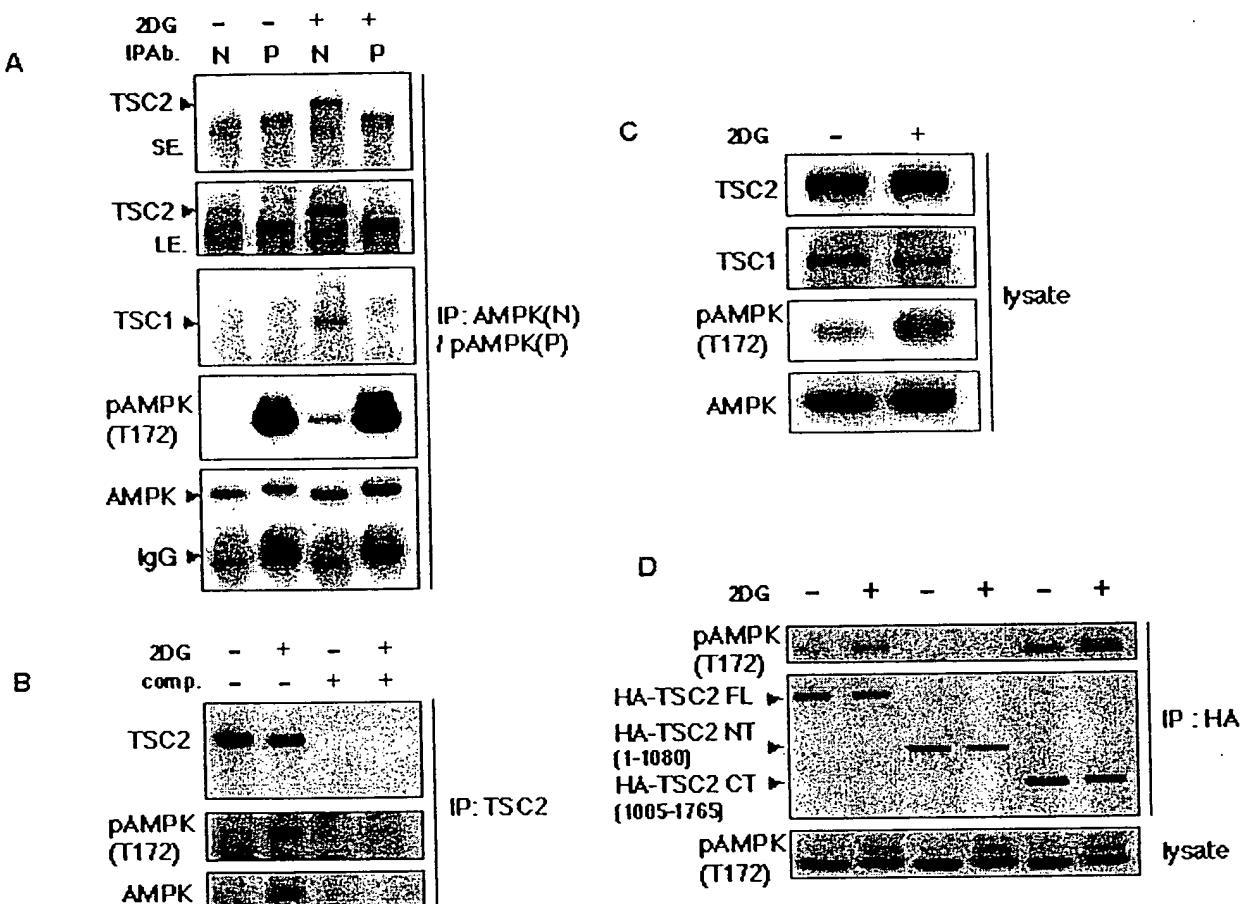


Figure 8 continued



**Figure 9**



**Figure 10**

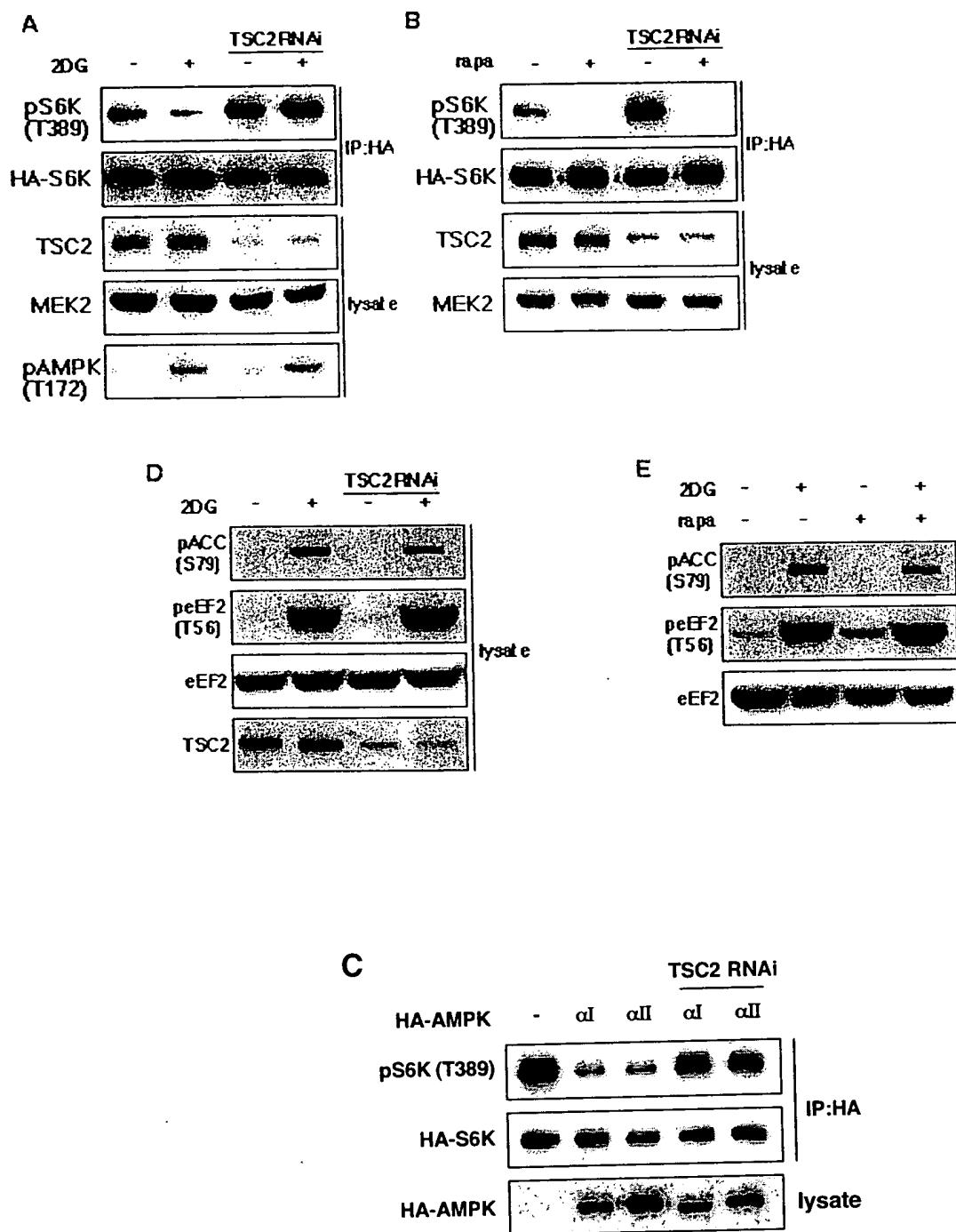
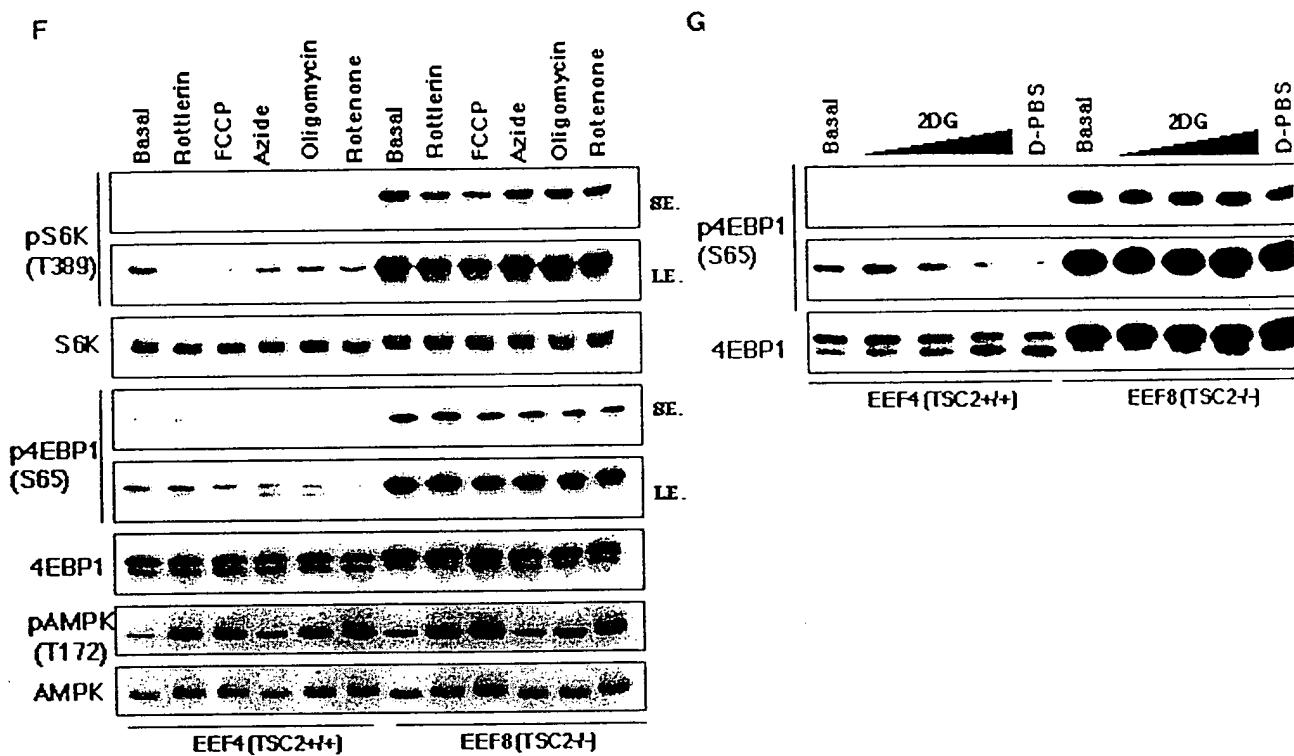
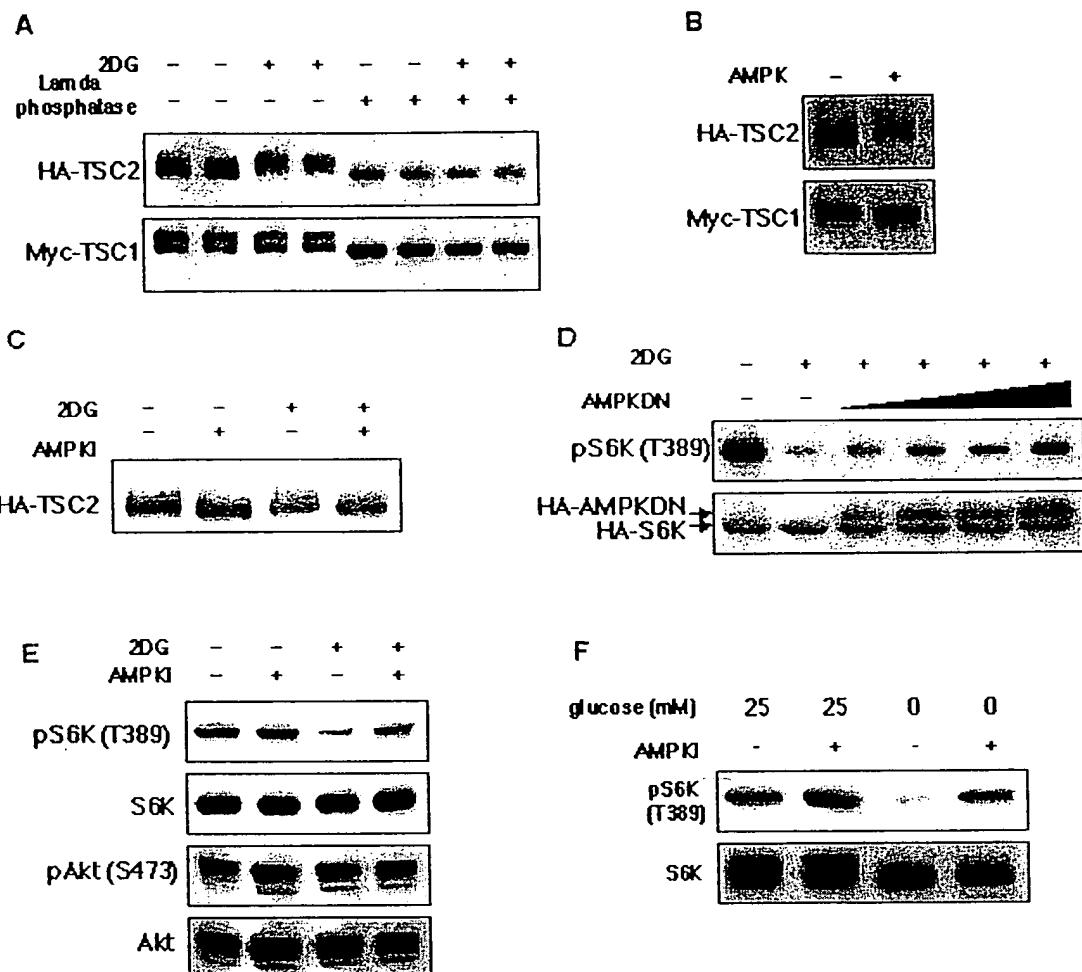


Figure 10 continued



**Figure 11**



**Figure 12**

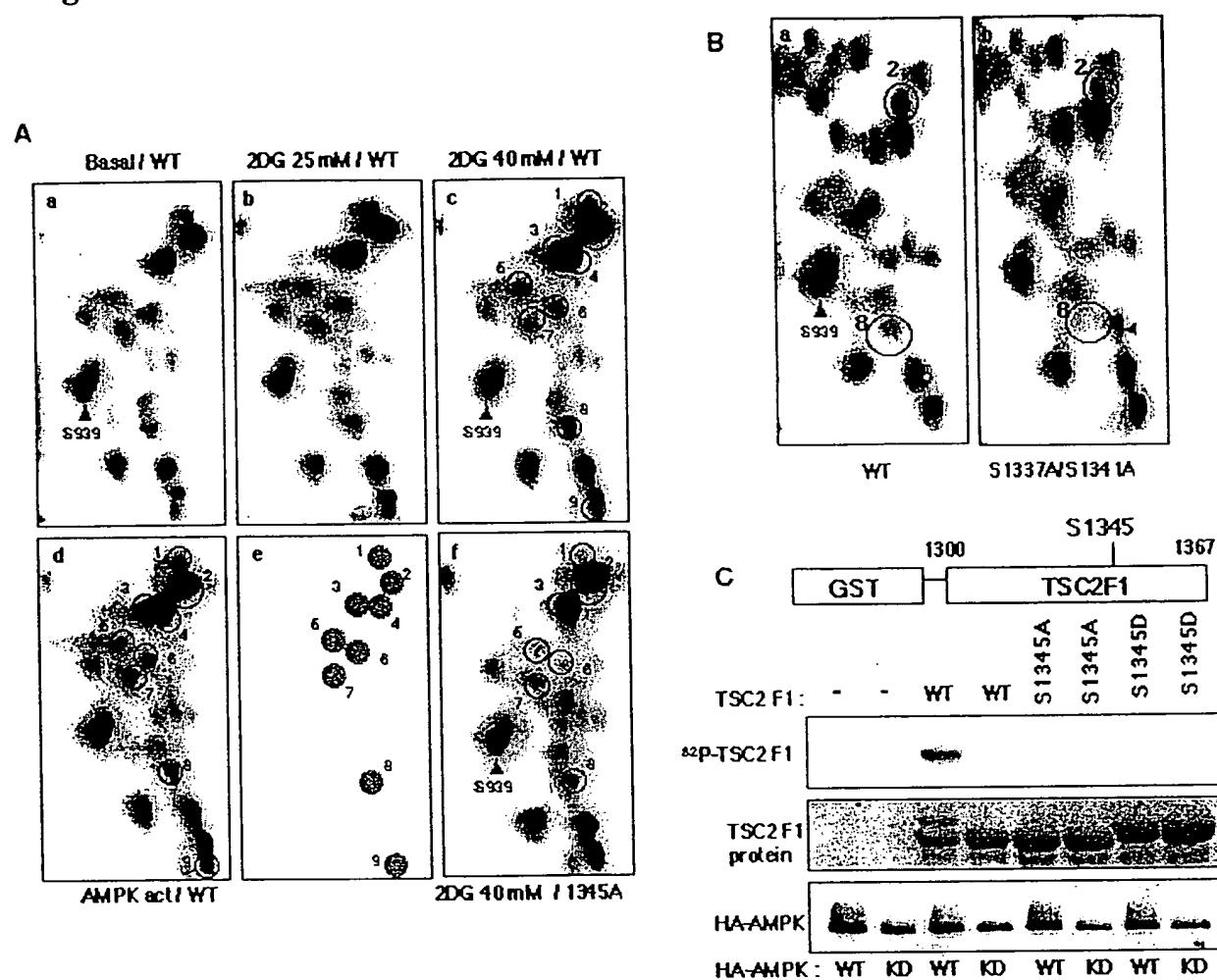


Figure 12 continued

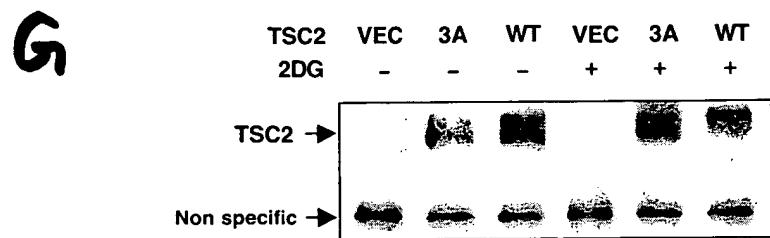
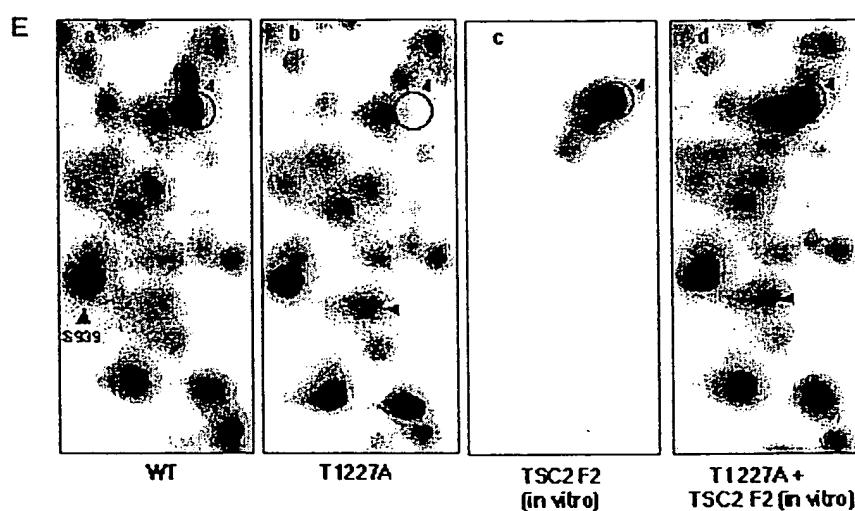
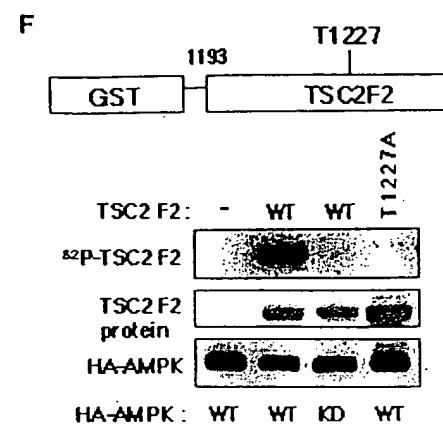
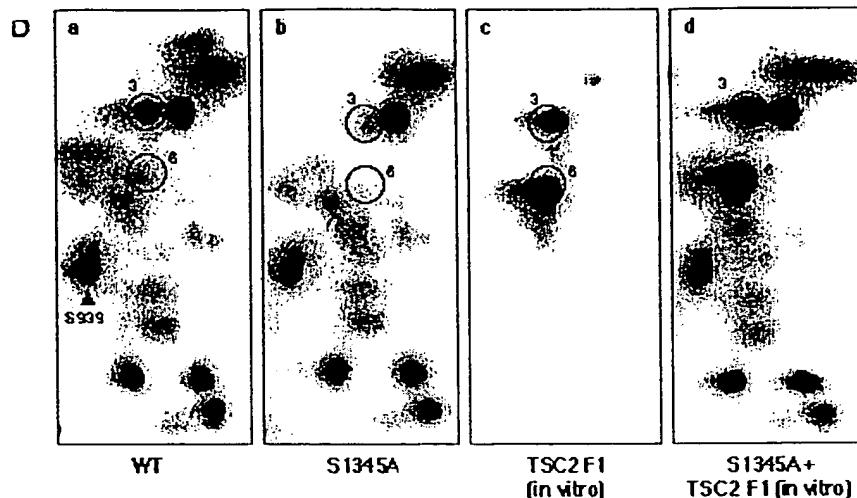
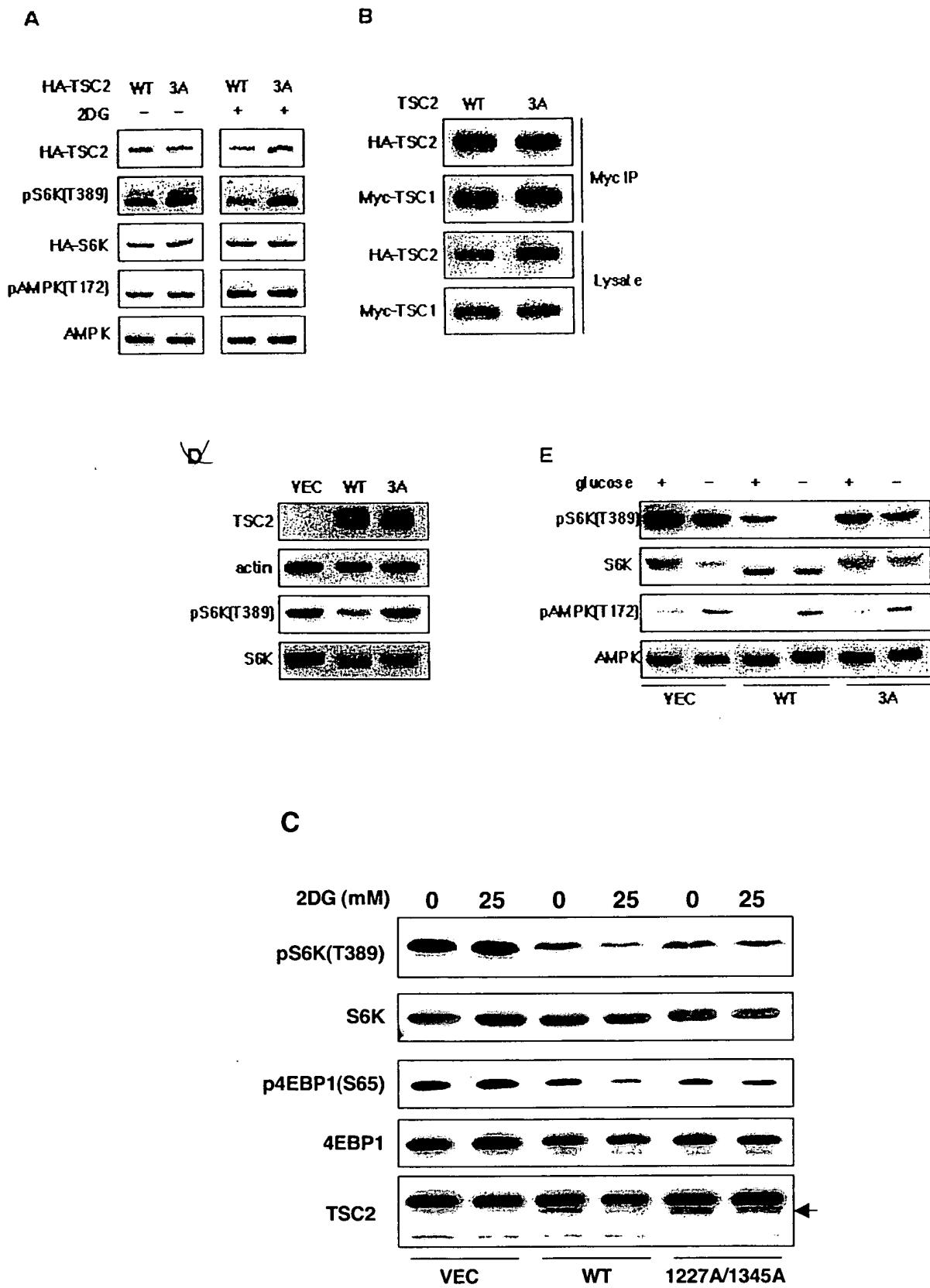


Figure 13



**Figure 14**

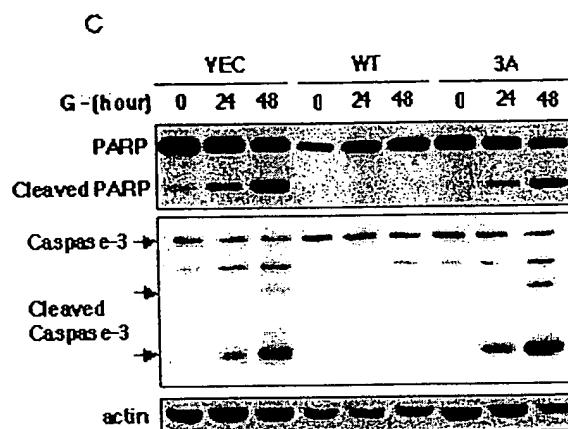
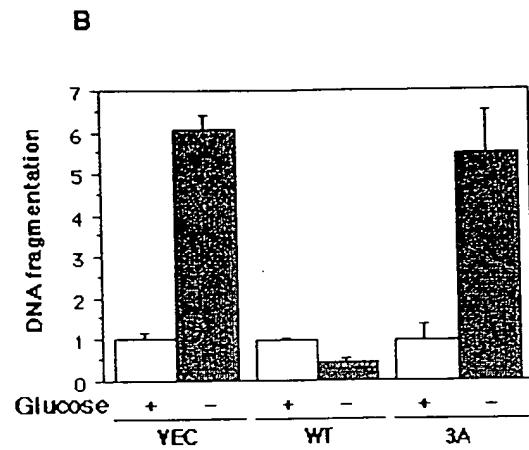
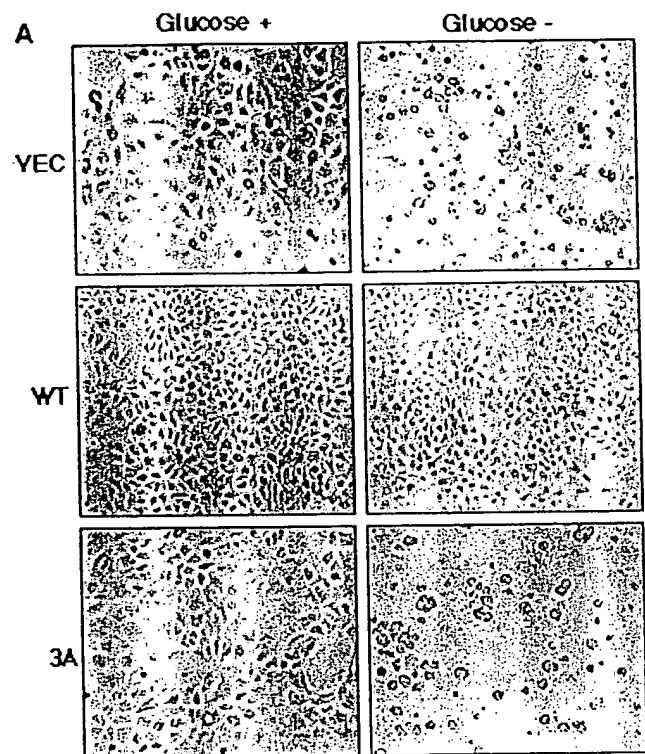


Figure 14 continued

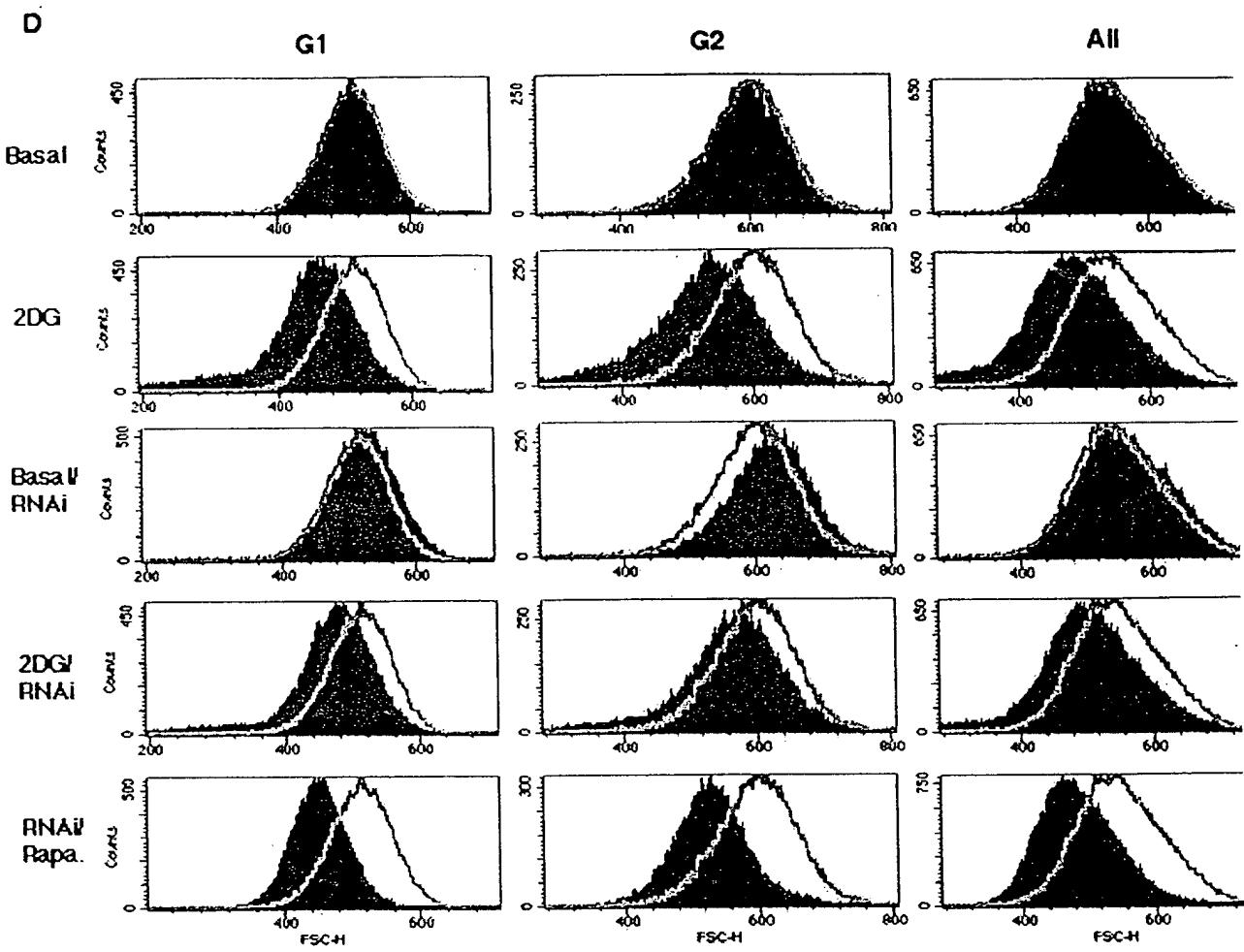


Figure 14 continued

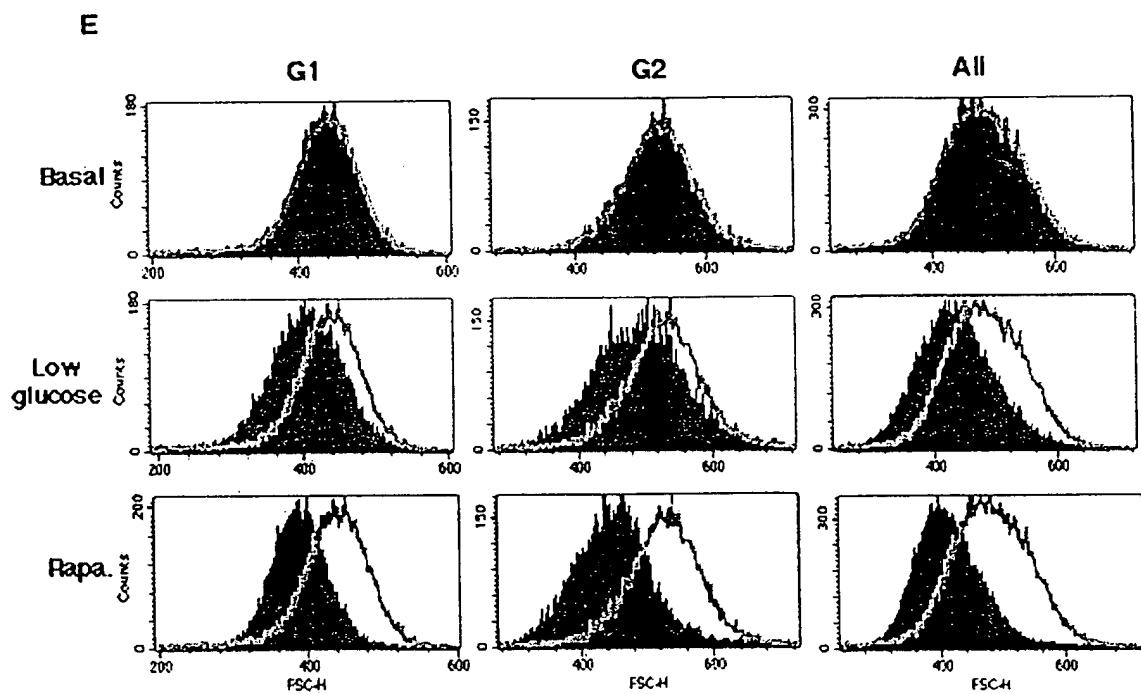
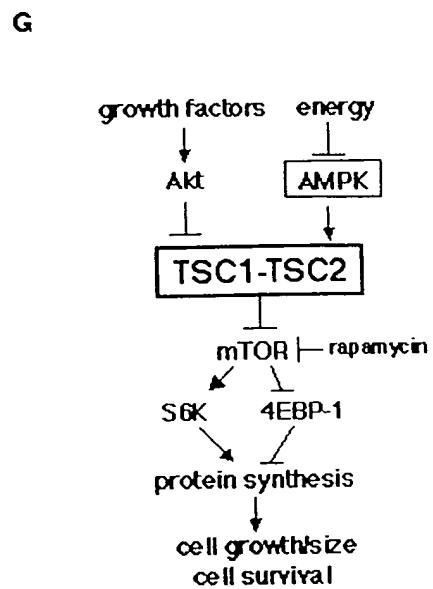
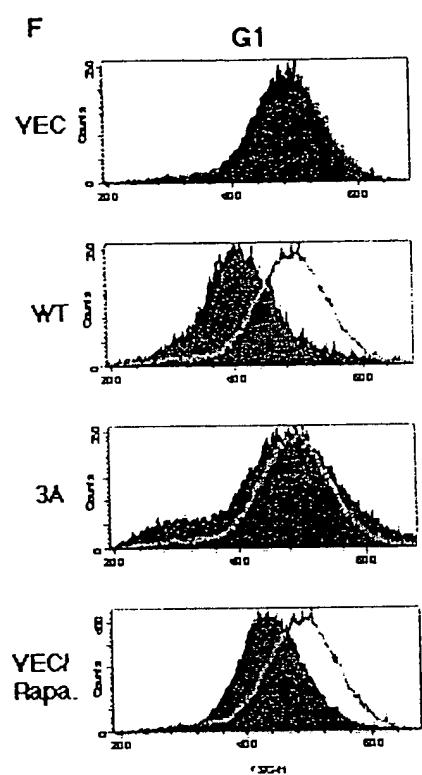


Figure 14 continued



Hyd-(X,Bas)-x-x-Ser/Thr-x-x-Hyd

Figure 15A

ACC1                    **ISSLQDGALHIRSSMSGLHL**  
ACC2                    **TTGEAETRVPTMRPSMSGLHL**  
HMGR                    **ALAAGHLVKSHMIHNRSKINL**  
PFK2                    **TNNFPKNQTPVRMRNSFTPL**  
TSC2 (T1227)            **VPAAGTAKPPTLPRSNTVASE**  
TSC2 (S1345)            **TVDLSFQPSQQPLSKSSSSPEL**

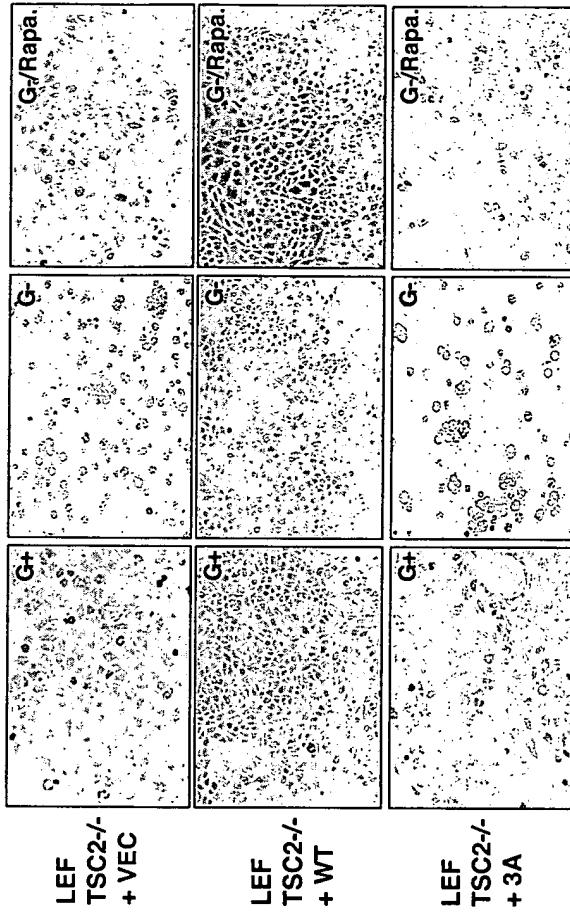
Figure 15B

TSC2 (S132)            **TSC2 (T317)            **TSC2 (T509)            **TSC2 (S625)            **TSC2 (S802)            **TSC2 (T1227)            **TSC2 (S1345)            **TSC2 (S1662)**************

Figure 15C

**LGVLRALFFKVIKDP**S**NEDL**  
**MALWGAHRLLYSLKNSP**T**SVL**P****  
**LSHIPEDKDHQVRKLA**T**QLLV**  
**SIRLQAFDFLLLLRADS**L**HRL**  
**REMVYCLEQGLI**L**YRCA**S**QCVV**  
**VPAAGTAKPPTLPRSNTVASE**  
**TVDLSFQPSQQPLSKSSSSPEL**  
**RKDMEGLVDTSVAK**I**V**SDRN**L**

**Figure 16A**



**Figure 16B**

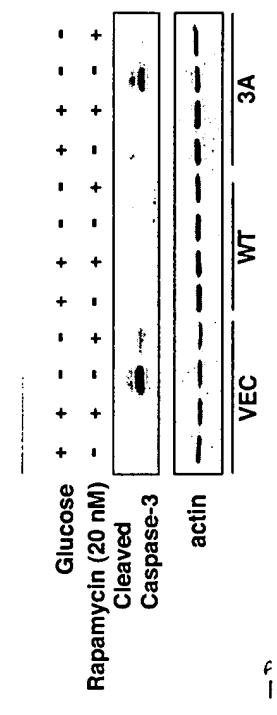


Figure 16C

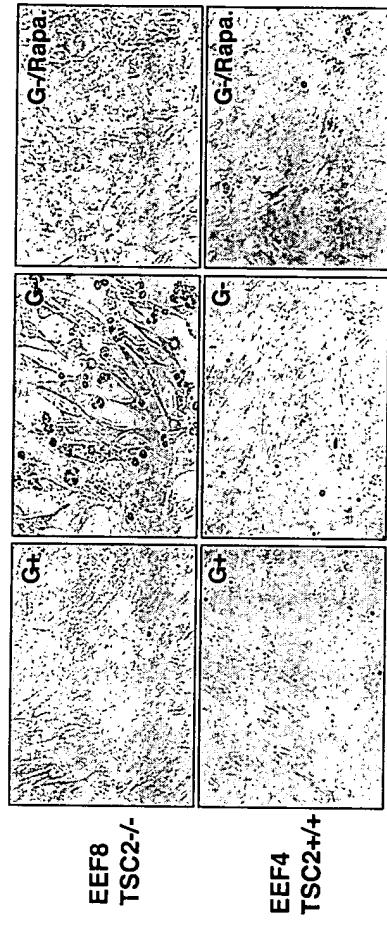
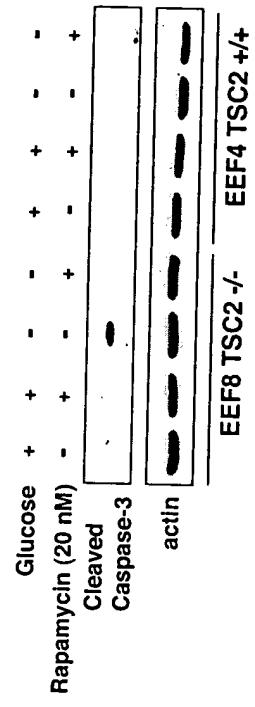
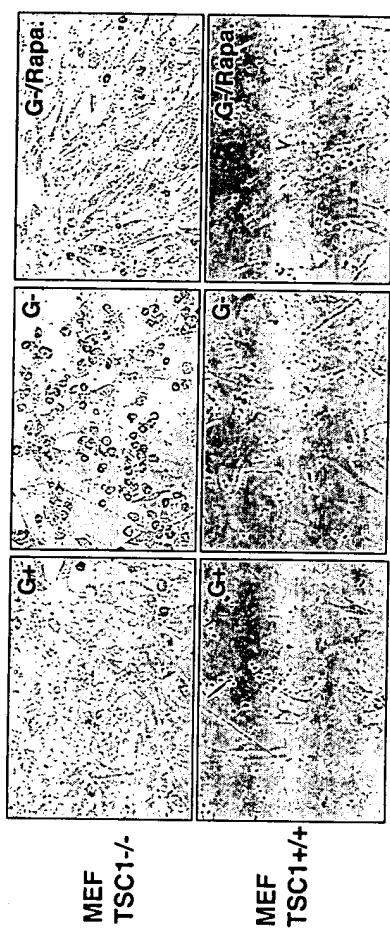
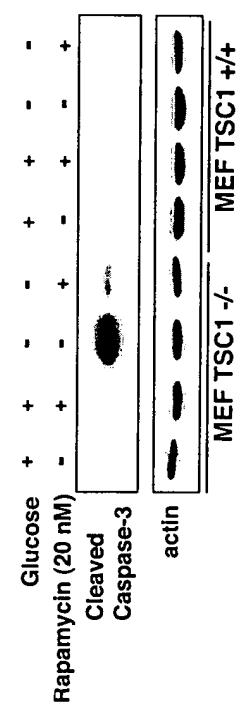


Figure 16D





**Figure 16E**



**Figure 16F**

Figure 17A

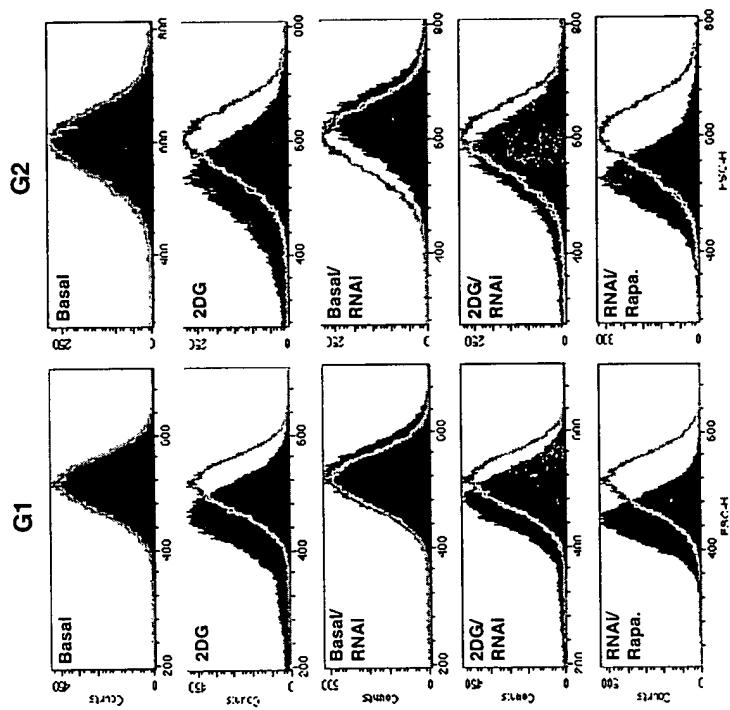


Figure 17B

